

Amendments to the Claims:

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

[43.1](New Claim) 1. Controlled heating air space is designed to retain heated air in an isolated area adjacent to an automobile windshield; thus said temperature of said controlled heating air space can be maintained independently without interfering normal temperature inside automobile passenger compartment.

[44](Previous claim 1, currently amended claim 2) 2 ~~1. A windshield heating air appliances and dashboard air vent cover are~~ is made of a transparent plastic or other transparent materials; said windshield heating air appliance is attached to a windshield through its top, left, right and bottom T or L edges, and its dashboard support edge is attached to a dashboard; said windshield can be consisted of two symmetric parts, which are jointed together during the installation to facilitate shipping; said windshield heating air appliance together with said windshield and either said dashboard or said dashboard air vent cover assemble said controlled heating air space in accordance with claim 1. complete an assembly referred as "controlled heating air space"; said "controlled heating air space" consumes less than 3% of any automobile interior space; air in said "controlled heating air space" can be quickly heated up and maintained at an optimal temperature through hot air supplied by dashboard air vents.

[45])(Previous claim 2, currently amended claim 3) ~~2. 3. Utilizing heated air supply from said dashboard air vents, said "controlled heating air space" in accordance with claim 1, maintains said windshield surface at an optimal temperature, adjacent air in contact with said heated windshield surface no longer reduces its ability to retain moisture; thus evaporates the moisture in the air instantly, prevents fogging of said windshield, and windshield heating air appliance; guarantees the driver an excellent driving visibility through said windshield, reduces traffic accident in a wet or cold climate.~~

[46] (Previous claim 3, currently amended claim 4) ~~4. 3-~~ Said “controlled heating air space” in accordance with claim 1 consumes less than 23% of said automobile passenger compartment interior space; to melt the ice accumulated on said windshield requires heating up only said “controlled heating air space” instead of heating said entire automobile passenger compartment interior space, thus significantly increases the heating efficiency, speeds up ice melting, saves energy and reduces pollution.

[47] (Previous claim 4, currently claim 5) ~~5. 4-~~ A side window cover is made of transparent plastic or other transparent material; since air is a poor thermal conductor, air temperature between a side window and side window cover is higher than said side window temperature in a wet or cold climate; thus, an additional insulation layer, formed by said side window cover and air between said side window and side window cover, enhances said side window insulation, keeps said side window cover temperature close to an automobile internal air temperature, therefore, significantly reduces fogging of said side window.

[48] (Previous claim 5, currently claim 6) ~~6. 5-~~ A windshield-tinting device contains a rotatable core, said rotatable core is portable, and contains a roll of windshield-tinting plastic, said windshield-tinting plastic has a hard handle attached at its end; to deploy said windshield-tinting device, said hard handle needs to be pulled out and locked into handle holders attached on a windshield heating air appliance; to put away said windshield-tinting device, release said hard handle from said handle holders, said windshield-tinting plastic will be automatically rotated back into said rotatable core; said windshield heating air appliance can be equipped with said windshield-tinting devices to provide a driver alternative sunlight protection.

Amendments to the Drawings:

The attached sheet of drawings are followings:

- The size of previous Figure 1 to 16 has been changed so that they fit into the portrait orientation.
- Previous Figure 3, 4, and 18 are redundant; therefore, are deleted.
- The wording problem has been corrected in previous Figure 1 to 2, Figure 5 to 17, and Figure 19 to 25.
- Previous Figure 11, 13, and 14 are deleted because the related tinting device design is removed.
- Current Figure 12, 13, 14 and 15 are new drawings to show the second windshield heating air appliance design.
- Previous Figure 5, 6, 7, 8, and 9 are reassigned to current Figure 3, 4, 5, 6, and 7; previous Figure 10, and 12 are reassigned to current Figure 21, and 22; previous Figure 15, and 16 are reassigned to current Figure 8, and 9; previous Figure 17 is reassigned to current Figure 23; previous Figure 19, and 20 are reassigned to current Figure 16, and 17, previous Figure 21, and 22 are reassigned to current Figure 10, and 11; previous Figure 23, 24, and 25 are reassigned to current Figure 18, 19, and 20.